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United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS AND MOTION PICTURES*

DECEMBER 1955



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BULLETIN OF THE MONTH Controlling the Japanese Beetle Farmers' Bulletin 2004

Control of this destructive plant beetle and its grub in gardens is given in this revised bulletin.

FARMERS' BULLETINS

Hog lice and hog mange: Methods of control and eradication. H. E. Kemper and H. O. Peterson. Agricultural Research Service. 21 p., illus. (F 1085, rev.) Price 15¢.

The nature and habits of these parasites, symptoms caused by each species, and methods of control and eradication are discussed in this revised bulletin.

Controlling the Japanese beetle. Walter E. Fleming. Agricultural Research Service. 13 p., illus. (F 2004, rev.) Price 15¢. *See above.*

Growing pumpkins and squashes. Ross C. Thompson, S. P. Doolittle, and D. J. Caffrey. Agricultural Research Service. 30 p., illus. Supersedes L 141. (F 2086.) Price 15¢.

Recommendations for the commercial production of pumpkins and squashes are given.

Growing fruits and nuts in the southern Great Plains. L. F. Locke. Agricultural Research Service. 28 p., illus. (F 2087.) Price 15¢.

The experiment stations in this area receive many requests every year for information about the kinds of fruits and nuts most likely to succeed. This bulletin was prepared to serve this need.

Seeding summer ranges in eastern Oregon and Washington. Robert S. Rummell and Clark E. Hoescher. Forest Service. 34 p., illus. (F 2091.) Price 15¢.

To find successful ways for seeding summer ranges, the Forest Service has tested approximately 150 forage species and strains on many experimental areas under numerous conditions and methods of planting. The results are the basis of recommendations reported in this bulletin.

Managing farm fishponds for bass and bluegills. Verne E. Davison. Soil Conservation Service. 18 p., illus. Supersedes F 1983. (F 2094.) Price 15¢.

This bulletin points out the importance of good sites and the necessity for erosion control, proper stocking, and weed control. It tells how to have good fishing by ample fertilization. It also explains the treatment of some common pond troubles.

LEAFLETS

Brooding chicks with infrared lamps. John G. Taylor and J. M. Stanley. Agricultural Research Service. 4 p., illus. (L 397.) Price 5¢.

Poultry producers are turning more and more to the infrared lamp method of brooding chicks. Material, equipment, and methods for using these lamps are discussed.

* Compiled by Eleanor W. Clay, Office of Information.

AGRICULTURE HANDBOOKS

Computational methods for handling systems of simultaneous equations with applications to agriculture. Joan Friedman and Richard J. Foote. Agricultural Marketing Service. 109 p. (AH 94.) Price 55¢. FOR SALE ONLY.

One of the purposes of this handbook is to provide a standard method of approach for handling any equation problem that involves economic relationships pertaining to agriculture.

AGRICULTURE INFORMATION BULLETINS

Bread . . . facts for consumer education. Irene H. Wolgamot and Lillian J. Fincher. Agricultural Research Service. 22 p., illus. (AB 142.) Price 15¢.

This bulletin provides source material for workers in extension, consumer education, and marketing services, and teachers, dietitians, nutritionists, food editors, and others who give consumers information on food.

CIRCULARS

Sewage sludge for soil improvement. M. S. Anderson. Agricultural Research Service. 27 p., illus. (C 972.) Price 15¢. FOR SALE ONLY.

It is the purpose of this circular to discuss the possible agricultural utilization of sewage sludges, whereby solid residues may possibly be processed for sale to agricultural consumers.

Foreign-matter trap for cotton gins. Gerald N. Franks and A. Clyde Griffin, Jr. Agricultural Research Service. 12 p., illus. (C 973.) Price 10¢. FOR SALE ONLY.

Results are given of a survey on the use of this device to aid in eliminating the cause of a percentage of gin fires and reduce the amount of foreign matter in the ginning operation.

Scutching machine for fiber flax. Leonard M. Klein and Jesse E. Harmond. Agricultural Research Service. 16 p., illus. (C 975.) Price 15¢. FOR SALE ONLY.

This circular discusses the improved features of the scutcher newly developed at Corvallis, against a background of the development of flax scutching from its beginning.

Progress report on the cooperative hevea rubber development program in Latin America. R. D. Rands and Loren G. Polhamus. Agricultural Research Service. 79 p., illus. (C 976.) Price 35¢. FOR SALE ONLY.

This report covers significant results of the long-term cooperative rubber research and development project between the United States Department of Agriculture and tropical America.

MARKETING RESEARCH REPORTS

Some improved methods of handling frozen food in wholesale plants. James A. Mixon and Theodore H. Allegri. Agricultural Marketing Service. 44 p., illus. (MRR 107.) Price 25¢. FOR SALE ONLY.

SOIL SURVEYS

Grand Junction Area, Colorado. E. W. Knobel, R. K. Dansdill, and M. L. Richardson. Soil Conservation Service in cooperation with the Colorado Agricultural Experiment Station. 118 p., illus. Series 1940, No. 19. Price \$2.00. FOR SALE ONLY.

Territory of Hawaii (Islands of Hawaii, Kauai, Lanai, Maui, Molokai, and Oahu). M. G. Cline. Soil Conservation Service in cooperation with the Hawaii Agricultural Experiment Station. 644 p., illus. Series 1939, No. 25. Price \$6.25. FOR SALE ONLY.

TECHNICAL BULLETINS

A standardized diet for metabolic studies . . . its development and application. Frieda L. Meyer, Myrtle L. Brown, Harriet J. Wright, and Millicent L. Hathaway. Agricultural Research Service. 81 p., illus. (T 1126.) Price 30¢. FOR SALE ONLY.

A standardized diet, developed to meet the needs for a uniform basal diet to be used in studying nutritional requirements, utilization of various nutrients, or interrelationship of nutrients, is presented.

Productivity of resources used on commercial farms. Edwin G. Strand, Earl O. Heady, and James A. Seagraves. Agricultural Research Service. 86 p., illus. (T 1128.) Price 30¢. FOR SALE ONLY.

The study reported here was intended to determine differences in levels of income and to provide information on productivity of resources in different segments of our agriculture.

Components of variance method and partitioning method of genetic analysis applied to weight per fruit of tomato hybrid and parental populations. LeRoy Powers. Agricultural Research Service. 64 p. (T 1131.) Price 25¢. FOR SALE ONLY.

Results of methods used in a genetic study of tomato fruit weights are given.

Repellents to protect trees and shrubs from damage by rabbits. A. C. Hildreth and G. B. Brown. Agricultural Research Service. 31 p., illus. (T 1134.) Price 15¢. FOR SALE ONLY.

Results of studies conducted at the Cheyenne Horticultural Field Station, Cheyenne, Wyo., to prevent injury to trees and shrubs by rabbits are reported in this bulletin.

OTHER PUBLICATIONS

Dairy and poultry market statistics, 1954. Agricultural Marketing Service. 128 p. (SB 165.) Price 60¢. FOR SALE ONLY.

National forest vacations. Forest Service. 64 p., illus. Revised. Price 30¢. FOR SALE ONLY.

Supplement for 1955 to Statistics on cotton and related data. Agricultural Marketing Service. 108 p. (Suppl. to SB 99.) Price 55¢. FOR SALE ONLY.

Using your co-op elevator. Thomas E. Hall. Farmer Cooperative Service. [13] p., illus. (FCS Ed. C 8.) Price 10¢.

PERIODICALS

Agricultural research. Vol. 4, No. 6, December 1955. Price 15¢ a copy, \$1.00 a year, domestic; \$1.35 a year, foreign. FOR SALE ONLY.

Agricultural situation. Vol. 39, No. 12, December 1955. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign. FOR SALE ONLY.

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Extension service review. Vol. 26, No. 12, December 1955. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign. FOR SALE ONLY.

Foreign agriculture. Vol. XIX, No. 12, December 1955. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign. FOR SALE ONLY.

News for farmer cooperatives. Vol. 22, No. 9, December 1955. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign. FOR SALE ONLY.

Rural lines. Vol. 2, No. 7, December 1955. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign. FOR SALE ONLY.

Soil conservation. Vol. XXI, No. 5, December 1955. Price 15¢ a copy, \$1.25 a year, domestic; \$1.75 a year, foreign. FOR SALE ONLY.

Index. Vol XX, August 1954 to July 1955. Price 10¢.

MOTION PICTURES

The Motion Picture Service, Office of Information, U. S. Department of Agriculture, produces and distributes motion pictures on subjects with which the Department is concerned. They are both sound and silent and are released in 16-mm. and 35-mm. widths. Films in the 16-mm. size are available from State film libraries; 35-mm. films are available only from Motion Picture Service. They are lent for educational purposes to groups and organizations or may be purchased outright. Prints of Department films may be obtained from 75 co-operating film libraries in the 48 States, the District of Columbia, and the Territories of Alaska, Hawaii, and Puerto Rico.

FROM THE RIDGE TO THE RIVER. 16 mm., sound, in color. Running time, 26 minutes. Released 1955.

This film tells the story of local watershed organization. It explains the land treatments and the work on the water courses and tells how they are integrated to provide a watershed protection program which will give both farmers and city folk a greater security against floods. Several professional actors are used and a real watershed situation has been dramatized to make this film more enjoyable. (Not in film libraries; available for loan from state offices of Soil Conservation Service; inquire of Motion Picture Service for purchase information.) TV use permitted.

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